



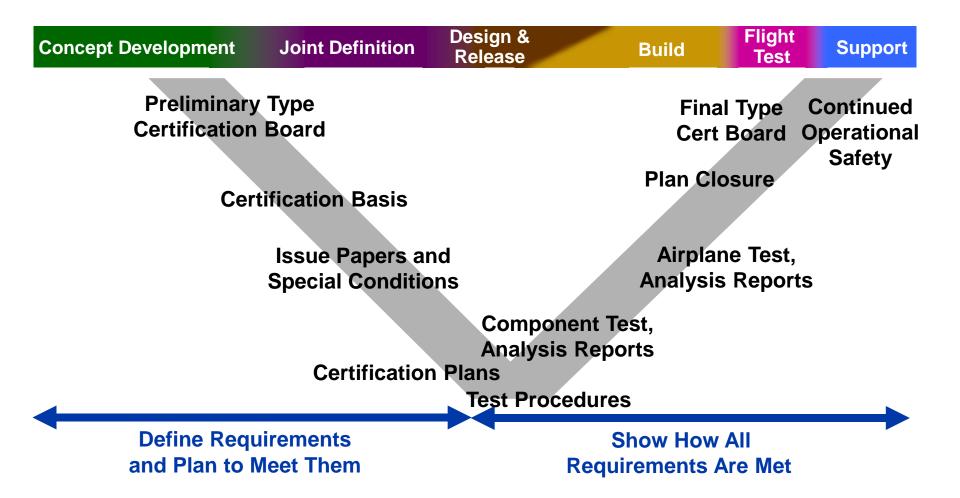
Doug Lane Director, Regulatory Administration Boeing Commercial Airplanes

Certification for Safety

- The FAA certification process demonstrates compliance with regulatory safety requirements.
- The certification of the 787 was the most thorough certification ever conducted on a Boeing airplane.

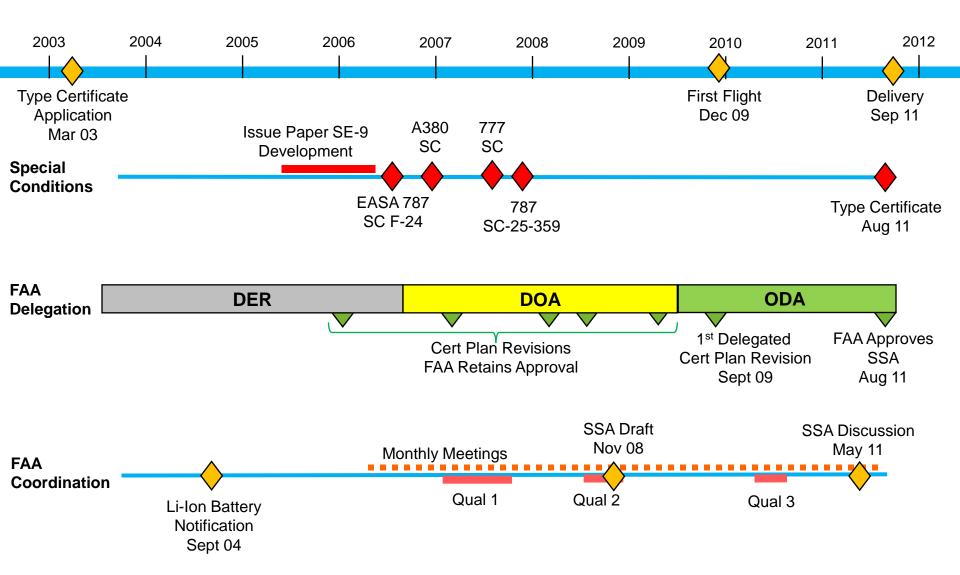


Certification Program Flow Ensures Safety



Information Complexity, Integration Increase With Time

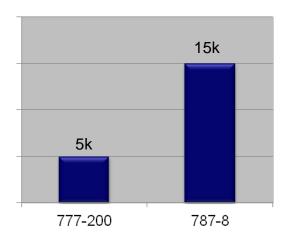
787 Battery Certification Timeline



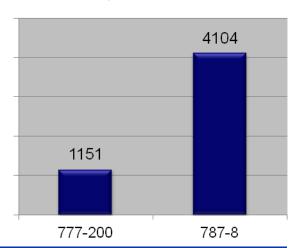
Comparison of 787 and 777 Certification

- FAA certification requirements for the 787 were more rigorous than for 777.
 - Comparable technology advancement
 - 3 times more conformed certification tests
 - 3 times more data submittals showing compliance
 - 2 times more airplane ground testing
 - 3 times more integration testing
 - Increased process rigor (e.g., ISO 9000)
 for manufacturing and design

Total Certification Test Conformities



Total Compliance Data Submittals



787 Certification Was Thorough and Comprehensive

Comparison of 787 and 777 Certification

Electrical Power System		
FAA Compliance Finding	777	787
Certification plan	Retained	Retained*
Safety assessment	Retained	Retained
Qualification test procedures	Delegated	Delegated
Qualification test reports	Delegated	Delegated
Qualification test witnessing	Delegated	Delegated

^{*}Substantial revisions were retained by the FAA with administrative or FAA prescribed updates delegated to Boeing.

FAA Used Similar Delegation Levels to Certify the 777 and 787

Summary

 Boeing followed a disciplined and time-tested process to ensure thorough coordination with the FAA and among its suppliers.

 The FAA certified the 787 after a rigorous certification effort.

- FAA certification validated that the 787 is safe and reliable.
- The 787 battery events are not acceptable.
 We have worked diligently to address them.

August 26, 2011 — 787 Achieves Certification



Backup

Boeing Commercial Airplanes ODA Unit

